PROC. ENTOMOL. SOC. WASH.
85(4), 1983, pp. 783–796

AN ANNOTATED LIST OF THE CADDISFLIES (TRICHOPTERA) OF OHIO

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Abstract.—A list of 15 families, 55 genera, and 200 species of Trichoptera known to occur in Ohio is presented. Fourteen species are recorded from the state for the first time. Individual species are annotated with known collection localities and adult flight periods.

Prior to 1964, Marshall's (1939) work on the caddisflies of western Lake Erie was the only published study dealing exclusively with the occurrence and distribution of Ohio Trichoptera. However, additional records were included in Ross (1938a, 1938b, 1938c, 1939, 1944, 1947, 1966), Gordon (1974), and Schuster and Etnier (1978). Since 1964, a number of studies dealing either in part or exclusively with the trichopteran fauna of various localities in northern and eastern Ohio have been completed (Horwath, 1964; Tkac, 1973; Wilke, 1976; Hasenstaub, 1977; McElravy et al., 1977; McElravy and Foote, 1978; Masteller and Flint, 1979; Arsuffi, 1980; MacLean and MacLean, 1980; Petersen and Foote, 1980; Hilovsky, 1981; Huryn and Foote, 1981; Huryn, 1982; R. Hunt, unpublished data).

In this paper we report many, previously unpublished, locality data taken from records of the authors, the Cleveland Museum of Natural History, and the Illinois Natural History Survey, as well as summarize published distributional information for Ohio. A consolidated list of 15 families, 55 genera, and 200 species known to occur in Ohio is presented. Fourteen species are recorded from Ohio for the first time. As new records of caddisflies from the state will certainly be found, this paper is obviously a preliminary list that will serve as an aid to workers studying the biology, ecology, and systematics of the order as it occurs in Ohio and throughout North America, as well as a source of baseline data for environmental studies (Resh and Unzicker, 1975).

COLLECTION SITES

The collection sites of Trichoptera in Ohio included in the following list are arranged alphabetically by county. Each site is assigned a number that corresponds to its position on the map (Fig. 1). Sites 8, 34, 62, 68, 75, 114, 116, and 117, are not included in the figure because they refer to county, watershed, or state records and not to specific point localities. Numbers assigned to the collection sites are used in the species list. Collection sites reported in the literature are followed by

appropriate citation(s). Where literature records refer to type material, the species, date(s) of collection, number and sex of individuals taken, and type designations are also given.

ADAMS.—1. Cedar Run at Rt 348 and Cedar Mills Rd. 2. Grace Run at Rt 247. 3. Georges Creek at Nichols Ridge Rd. 4. Cedar Fork of Scioto Brush Creek at Portsmouth Rd.

ALLEN.—5. Gomer.

ASHLAND.—6. Hog Hollow, Mohican St. Pk. 7. Clear Fork of the Mohican River (Huryn and Foote, 1981, in part). 8. unspecified locality.

ASHTABULA.—9. Grand River at New Hudson Rd. 10. Grand River at Rt 6 (Hilovsky, 1981, Hydropsychidae). 11. Grand River near Rock Creek. 12. Grand River near Harpersfield (Huryn and Foote, 1981, in part). 13. Grand River at Mechanicsville. 14. Conneaut Creek at Turnpike Rd (Hilovsky, 1981, Hydropsychidae). 15. Conneaut Creek at Rt 7 (Hilovsky, 1981, Hydropsychidae). 16. NW corner of county, 0.2–1.0 km S of Lake Erie (Masteller and Flint, 1979).

ATHENS.—17. Athens (Ross, 1938a, *Triaenodes dipsius,* V/28/1932, m, Holotype; *T. phalacris,* VI/5/1931, m, Holotype; Ross, 1938c, *Pycnopsyche indiana,* IX/23/1933, f, Allotype, IX/30/1931, 1 m, IX/15/1933, 1 m, IX/23/1933, 1 f, IX/25/1933, 1 m, Paratypes).

BUTLER.—18. Seven mile Creek, Middletown.

CHAMPAIGN.—19. Kings Creek at junction of Mad River. 20. Mad River above Urbana.

CLARK.—21. Rock Run, Springfield.

CLERMONT.—22. Kemper Creek, Loveland.

CLINTON.—23. Lytle Creek, Wilmington.

COLUMBIANA.—24. Water Cress Marsh, 9 km S Salem (MacLean and MacLean, 1980). 25. Little Beaver Creek (MacLean and MacLean, 1980). 26. Little Bull Creek E of Rogers at Rt 154 (MacLean and MacLean, 1980). 27. unspecified locality (Huryn and Foote, 1981, in part).

CUYAHOGA.—28. Rocky River. 29. Lakewood. 30. Cleveland. 31. Euclid. 32. Hunting Valley. 33. Chagrin Falls. 34. unspecified locality.

ERIE.—35. Rt 6 and Old Woman Creek. 36. Rt 2 and Old Woman Creek. 37. near I-80, I-90, and Old Woman Creek. 38. Castalia Prairie, Resthaven Wildlife Refuge. 39. unspecified locality.

FRANKLIN.—40. Columbus. 41. Black Lick Creek.

GEAUGA.—42. Stebbins Gulch in Holden Arboretum (Tkac, 1973; McElravy et al., 1977, in part). 43. Kirtland. 44. Cuyahoga River at Stillwell Rd. (Wilke, 1976). 45. West Branch of Cuyahoga River at Rt 322. 46. Punderson Lake (Wilke, 1976). 47. Fern Lake (Wilke, 1976). 48. Cuyahoga River at Geauga Co. Pk. (Wilke, 1976). 49. Grand River near Camp Chickagami (Huryn and Foote, 1981, in part). 50. unnamed tributary of Grand River at Agler Rd., 0.2 km NW of Grove Rd. and Agler. 51. Grand River near Parkman. 52. unspecified locality.

GREENE.—53. Little Miami River, Clifton Gorge, Clifton.

GUERNSY.—54. Byesville. 55. Cambridge (Ross, 1966, *Oecetis nocturna,* IX/13/1936, 1 m, Paratype).

HAMILTON.—56. Cincinnati, Ohio River. 57. Cincinnati, Little Miami River.

HENRY.—58. Holgate.

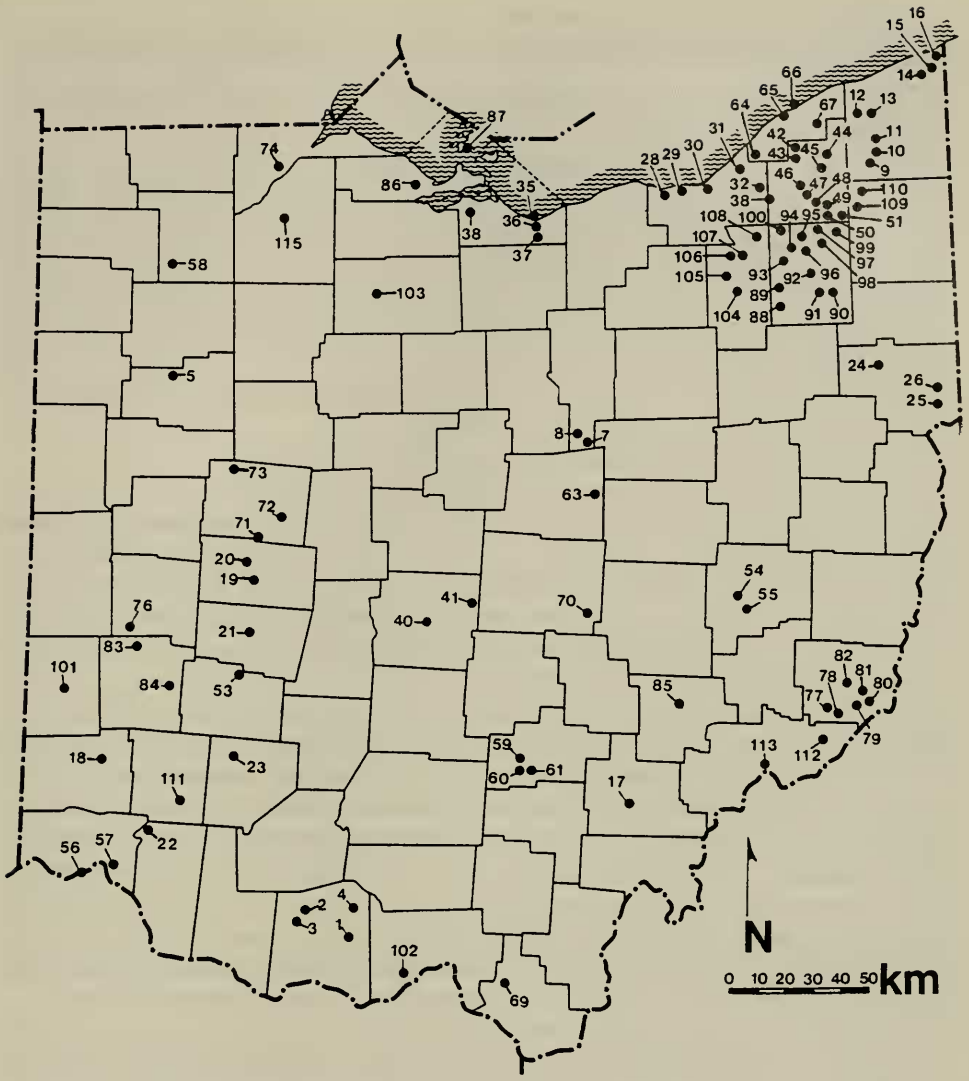

Fig. 1. Ohio map showing collection sites of Trichoptera. Numbers correspond to designated localities given in "Collection Sites."

HOCKING.—59. Hocking Hills St. Pk. 60. Hamilton Hollow. 61. Queer Creek. 62. unspecified locality.

KNOX.—63. 3 km SE of Millwood along Rt 715 (Huryn and Foote, 1981, in part).

LAKE.—64. North Chagrin Reservation. 65. Mentor Marsh. 66. Mentor Headlands St. Pk. 67. Grand River near Blair Rd. (Hilovsky, 1981, Hydropsychidae). 68. Grand River (Huryn and Foote, 1981, in part).

LAWRENCE.—69. Dean State Forest (Ross, 1947, *Polycentropus neiswanderi,* V/1939, 1 m, Paratype).

LICKING.—70. Flint Ridge St. Pk.

LOGAN.—71. Mad River S of West Liberty. 72. Mad River NE of Zanesfield. 73. Indian Lake.

LUCAS.—74. Swan Creek, 4.75 km W of Maumee. 75. no specific locality.

MIAMI.—76. West Milton.

MONROE.—77. Clear Fork of Little Muskingum River at Rt 26 (Huryn, 1982). 78. Little Muskingum River at Knowltons Covered Bridge Park (Huryn, 1982). 79. Witten Fork at Rt 800 (Huryn, 1982; Huryn and Foote, 1981, in part). 80. unnamed tributary of Dogskin Run (Huryn, 1982; Huryn and Foote, 1981, in part). 81. Wildcat Run (Huryn, 1982; Huryn and Foote, 1981, in part). 82. Cranest Fork of Little Muskingum River, 0.8 km above Rt 800 (Huryn, 1982; Huryn and Foote, 1981, in part).

MONTGOMERY.—83. Stillwater River at Englewood (Ross, 1966, *Oecetis ditissa,* VII/31/1939, 1 m, Paratype). 84. Dayton.

MORGAN.—85. Muskingum River near McConnelsville.

OTTAWA.—86. Oak Harbor. 87. Gibralter Island, Put-in-Bay (Ross, 1938a, *Ceraclea erulla,* VI/2/1937, m, Holotype, VI/2–8/1937, 87 m, Paratypes; Ross, 1938b, *Cheumatopsyche campyla,* V/25/1937, 4 m, 4f, Paratypes; Ross, 1939, *Cernotina ohio,* VII/19/1937, m, Holotype, VII/8/1937, 1 m, VII/20/1937, 1 m, VII/29/1937, 1 m, VII/30/1937, 1 m, Paratypes; *Neotrichia okapa,* VIII/13/1937, 2 m, VIII/1937, 1 m, Paratypes; Ross, 1944, *Ceraclea submacula* (Walker), no date, Allotype) (Marshall, 1939; Horwath, 1964).

PORTAGE.—88. Mogadore reservoir (Wilke, 1976). 89. Kent. 90. tributary of Silver Creek, West Branch St. Pk. (Arsuffi, 1980; McElravy et al., 1977, in part). 91. Porter Rd. Spring, West Branch St. Pk. (R. Hunt, unpublished data; Huryn and Foote, 1981, in part). 92. Upper West Branch of Mahoning River (McElravy and Foote, 1978; McElravy et al., 1977, in part). Lake Rockwell at Rt 14 (Wilke, 1976; Hilovsky, 1981, Hydropsychidae). 94. Cuyahoga River at Rt 303 (Wilke, 1976; Hilovsky, 1981, Hydropsychidae). 95. Cuyahoga River at Hiram Rapids (Wilke, 1976; Hilovsky, 1981, Hydropsychidae). 96. Mantua (Huryn and Foote, 1981, in part). 97. Allyn Rd. at Silver Creek. 98. Garrettsville (Huryn and Foote, 1981, in part). 99. Nelson. 100. Aurora Branch of Chagrin River at Rt 306.

PREBLE.—101. Seven Mile Creek, Eaton.

SCIOTO.—102. Shawnee State Forest (Ross, 1947, *Polycentropus neiswanderi,* VI/1942, m, Holotype, 6 m, 14 f, V/1942, 13 m, 5 f, Paratypes).

SENECA.—103. Tiffin.

SUMMIT.—104. Cuyahoga River at the Akron Waste Treatment Plant (Wilke, 1976). 105. Furnace Run (Peterson and Foote, 1980). 106. Cuyahoga River at Rt 303 (Hilovsky, 1981, Hydropsychidae). 107. Haskell Run (above impoundment), Cuyahoga Valley National Recreation Area. 108. Tinkers Creek.

TRUMBULL.—109. tributary of the Grand River near Farmington (Huryn and Foote, 1981, in part). 110. Mill Creek.

WARREN.—111. Todd Fork, Morrow.

WASHINGTON.—112. Little Muskingum River near Rt 26, 6.5 km S of Bloomington (Huryn, 1982; Huryn and Foote, 1981, in part). 113. Marietta.

WAYNE.—114. no specific locality.

WOOD.—115. Bowling Green.

Miscellaneous.—116. "Ohio" (Ross, 1944). 117. "Lake Erie" (Ross, 1944).

List of Species

For each included species, the known Ohio localities and earliest and latest adult collection dates are given. Records represented by specimens located in collections of the senior author, the Royal Ontario Museum, the Cleveland Museum of Natural History, and the Illinois Natural History Survey are designated ADH, ROM, CMNH, and INHS, respectively. Due to the age of some of the records obtained from the latter two institutions, the year of collection follows the initials. Unless otherwise indicated (P = pupa, L = larva), all records are based on adult specimens. Taxa above the species level are arranged as given in Wiggins (1977: 9–14) with the exception of the Hydropsychinae and Macronematinae which follow Ross and Unzicker (1977) and Flint and Bueno (1982), respectively. Species within each genus are listed alphabetically. The 14 species newly recorded for Ohio are designated with an asterisk.

Philopotamidae

Dolophilodes distinctus (Walker). Sites 24, 26, 42, 60 ADH, 82 ADH-L, 110. March–July 31.

Wormaldia moesta (Banks). Sites 42, 59 ADH, 62 INHS-1938, 69 INHS-1939, 80 ADH, 81 ADH, 91, 92. March 12–June 16.

Wormaldia shawnee (Ross). Sites 82 ADH, 90, 92. June 1–30.

Chimarra aterrima Hagen. Sites 21 INHS-1953, 22 INHS-1953, 42, 50 ADH, 72 INHS-1953, 79 ADH-L, 81 ADH-L, 90, 92, 105-L. June 6–30.

Chimarra obscura (Walker). Sites 2 ADH, 3 ADH, 4 ADH, 12, 15, 16, 33 INHS-1941, 41 INHS-1936, 77 ADH, 79 ADH, 81 ADH, 82 ADH, 90, 92, 93, 101 INHS-1953, 102 INHS-1942, 105. June 26–October 13.

Chimarra socia Hagen. Sites 14 ADH, 15, 16, 40 INHS-1933. July 25–October 10.

Psychomyiidae

Lype diversa (Banks). Sites 10, 16, 42, 60, 61 ADH, 79 ADH, 81 ADH, 87 INHS-1937, 90, 92, 105. May 1–September 1.

Psychomyia flavida Hagen. Sites 3 ADH, 7, 11, 44, 77 ADH, 78 ADH, 79 ADH, 81 ADH, 82 ADH, 87 INHS-1937. May 30–September 21.

Polycentropodidae

Cernotina ohio Ross. Site 87 INHS-1937. July 8–30.

Cernotina pallida (Banks). Site 87 INHS-1929-37. July 8–August 27.

Cyrnellus fraternus (Banks). Sites 3 ADH, 12, 38 ADH, 48, 59, 73 INHS-1941, 77 ADH, 78 ADH, 79 ADH, 82 ADH, 87 INHS-1937, 90, 92. June 17–August 23.

Neureclipsis crepuscularis (Walker). Sites 7 ADH, 16, 35 ADH, 79 ADH, 87 INHS-1937, 95 ADH, 112 ADH. June 12–August 23.

Nyctiophylax affinis (Banks). Sites 2 ADH, 3 ADH, 16, 38 ADH, 87 INHS-1937, 107 ADH. June 7–August 23.

Nyctiophylax moestus Banks. Sites 4 ADH, 36, 37 ADH, 60 ADH, 61 ADH, 77 ADH, 78 ADH, 79 ADH, 80 ADH, 81 ADH, 82 ADH, 92, 112 ADH. May 27–September 14.

Polycentropus aureolus (Banks). Site 24. June 11–14.
Polycentropus carolinensis Banks. Site 91. June 2–September 12.
Polycentropus centralis Banks. Sites 2 ADH, 3 ADH, 77 ADH, 79 ADH, 80 ADH, 81 ADH, 82 ADH, 84 INHS-1934, 90, 102 INHS-1942, 105. May 20–September 11.
Polycentropus cinereus Hagen. Sites 2 ADH, 3 ADH, 16, 36, 37, 44, 65 ADH, 73 INHS-1941, 74 INHS-1953, 77 ADH, 78 ADH, 79 ADH, 80 ADH, 81 ADH, 82 ADH, 87 INHS-1937, 88, 89, 90, 92, 107 ADH, 112 ADH. May 22–September 11.
Polycentropus confusus Hagen. Sites 16, 20 INHS-1953, 77 ADH, 79 ADH, 81 ADH, 82 ADH, 87 INHS-1937, 90, 91, 102 INHS-1942, 105, 110, 112 ADH. May 19–August 23.
Polycentropus crassicornis Walker. Sites 16, 58 INHS-1939, 90, 92. May 15–June 5.
Polycentropus elarus Ross. Sites 80 ADH, 81 ADH, 82 ADH, 102 INHS-1942. June 7–September 5.
Polycentropus interruptus (Banks). Sites 10, 105. June 7–19.
Polycentropus neiswanderi Ross. Sites 69 INHS-1939, 102 INHS-1942. May.
Polycentropus pentus Ross. Sites 69 INHS-1939, 80 ADH, 90, 92, 102 INHS-1942, 105. May 20–June 28.
Polycentropus remotus Banks. Sites 38 ADH, 58 INHS-1939, 92, 95. May 30–September 9.
Phylocentropus lucidus (Hagen). Sites 24, 90, 91. May 30–July 30.
Phylocentropus placidus (Banks). Site 87 INHS-1937. May 30–September 9.

Hydropsychidae

Parapsyche apicalis (Banks). Sites 52-L, 96-L, 105-L.
Diplectrona metaqui Ross. Site 63 ADH-L.
Diplectrona modesta Banks. Sites 32 ADH-P, 42, 69 INHS-1939, 80 ADH, 81 ADH, 90, 92, 102 INHS-1942, 105. May–June 21.
Cheumatopsyche aphanta Ross. Sites 15, 23 INHS-1950, 67, 87, 90, 92, 102 INHS-1942, 111 INHS-1951. May 5–August 25.
Cheumatopsyche campyla Ross. Sites 7 ADH, 16, 17 INHS-1931, 23 INHS-1950, 29 ADH, 40 INHS-1940, 57 INHS-1967, 69 INHS-1939, 75 INHS-no date, 77 ADH, 78 ADH, 79 ADH, 81 ADH, 82 ADH, 83 INHS-1939, 84 INHS-1939, 87 INHS-1935–37, 92, 93, 94, 95, 105, 11 INHS-1952, 112 ADH, 114. May 1–September 22.
Cheumatopsyche gracilis (Banks).* Site 53 INHS-1953. May 30.
Cheumatopsyche halima Denning. Site 92. May 14.
Cheumatopsyche minuscula (Banks). Sites 12, 15, 67, 90. July 9–August 25.
Cheumatopsyche oxa Ross. Sites 20 INHS-1953, 76 INHS-1953, 77 ADH, 78 ADH, 79 ADH, 81 ADH, 82 ADH, 84 INHS-1939, 90, 92, 94, 105, 107, 102 INHS-1942. May 13–August 25.
Cheumatopsyche pettiti (Banks), *sensu* Gordon 1974. Sites 3 ADH, 15, 16, 17 INHS-1938, 18 INHS-1953, 23 INHS-1950, 40 INHS-1941, 53 INHS-1953, 56 INHS-1939, 67, 69 INHS-1939, 74 INHS-1953, 77 ADH, 78 ADH, 79 ADH, 82 ADH, 88, 90, 92, 93, 94, 95, 105. May 10–October 1.
Cheumatopsyche pasella Ross. Sites 24, 42. June 14.

Cheumatopsyche speciosa (Banks). Sites 17 INHS-1931–39, 40 INHS-1940, 56 INHS-1939, 69 INHS-1939, 105. June 7–August 15.
Cheumatopsyche wabasha Denning. Site 7 ADH. May 24.
Hydropsyche aerata Ross.* Site 103 ADH. June–July.
Hydropsyche betteni Ross. Sites 7 ADH, 15, 16, 17, 22 INHS-1953, 28 CMNH-1967, 32 ADH, 53 INHS-1938, 77 ADH, 78 ADH, 79 ADH, 80 ADH, 81 ADH, 82 ADH, 84 INHS-1939, 90, 92, 93, 95, 103 ADH, 105, 112 ADH. May 2–September 2.
Hydropsyche bidens Ross. Sites 58 INHS-1939, 83 INHS-1939, 95. May–September 9.
Hydropsyche depravata Hagen.* Sites 29 ADH, 66 ADH. June 23–August 22.
Hydropsyche dicantha Ross. Sites 12, 15, 24, 25, 26, 77 ADH, 78 ADH, 79 ADH, 84 INHS-1939, 92, 105. May 7–August 26.
Hydropsyche orris Ross. Sites 17 INHS-1931, 24, 58 INHS-1939, 77 ADH, 84 INHS-1939, 112 ADH, 113 INHS-1938. May 19–August 20.
Hydropsyche phalerata Hagen. Site 116.
Hydropsyche scalaris Hagen. Sites 10, 16, 24, 67. June 6–July 25.
Hydropsyche separata Banks. Site 16. June–September.
Hydropsyche simulans Ross. Sites 17 INHS-1931, 40 INHS-1941, 69 INHS-1939, 113 INHS-1938. May 10–August 1.
Hydropsyche valanis Ross. Site 58 INHS-1938. July.
Symphitopsyche bifida (Banks). Site 24. July 2.
Symphitopsyche bronta (Ross.). Sites 14, 15, 16, 20 INHS-1953, 23 INHS-1950, 32 ADH, 33 INHS-1941, 42, 67, 71 INHS-1953, 77 ADH, 78 ADH, 79 ADH, 81 ADH, 82 ADH, 84 INHS-1939, 90, 92, 105, 107. May 3–August 20.
Symphitopsyche cheilonis (Ross). Sites 57 INHS-1967, 58 INHS-1939, 84 INHS-1939, 87, 92, 103 ADH. May–August 25.
Symphitopsyche morosa (Hagen). Site 26. June 15.
Symphitopsyche recurvata (Banks). Sites 16, 28 ADH, 66 ADH, 87. June 2–October 5.
Symphitopsyche slossonae (Banks). Sites 12, 15, 42, 44, 79 ADH, 81 ADH, 82 ADH, 90, 92, 105, 107. May 5–October 1.
Symphitopsyche sparna (Ross). Sites 92, 105. May 7–August 30.
Symphitopsyche walkeri (Betten and Mosely). Sites 90, 92. June–August 21.
Potamyia flava (Hagen). Sites 12, 24, 40 INHS-1940, 56 INHS-1939, 69 INHS-1939, 73 INHS-1941, 77 ADH, 78 ADH, 79 ADH, 85 ADH, 93, 94, 113 INHS-1938. June 11–August 25.
Macrostemum zebratum (Hagen). Sites 12, 15, 25, 28 CMNH-1967, 41 INHS-1936, 42-L, 58 INHS-1939–42, 67, 94. July 9–August 25.

Rhyacophilidae

Rhyacophila banksi Ross. Sites 8, 42. May 18–June 18.
Rhyacophila carolina Banks. Sites 6, 27, 42, 80 ADH, 81 ADH, 105. June 22–August 24.
Rhyacophila carpenteri Milne. Site 42. August 12.
*Rhyacophila fenestra.** Sites 53 INHS-1953, 57 INHS-1944-L-P, 84 INHS-1939. May 30.

Rhyacophila glaberrima Ulmer. Sites 42, 80 ADH. July 21.
Rhyacophila ledra Ross. Sites 37, 69 INHS-1939, 102 INHS-1942. June 7–14.
Rhycophila lobifera Betten. Sites 10, 23 INHS-1952, 41 INHS-1936, 82 ADH, 90, 92, 112 ADH-L. April 17–June 6.
Rhyacophila minora Banks. Sites 27, 42. May 25–June 7.
Rhyacophila parantra Ross. Sites 8, 32 ADH, 42. June 5–20.
Rhyacophila torva Hagen. Sites 27, 42. May 19–September 7.
Rhyacophila vibox Milne. Sites 27, 42. May 25–June 13.

Glossosomatidae

Glossosoma nigrius Banks. Sites 42, 51, 92. April 14–September 21.
Protoptila maculata (Hagen). Sites 11, 12, 51. June 23–September 11.

Hydroptilidae

Agraylea multipunctata Curtis. Sites 36, 46, 48, 87, 88, 90, 92, 94, 105. July 6–August 12.
Hydroptila ajax Ross. Sites 23 INHS-1952, 77 ADH, 78 ADH, 79 ADH, 82 ADH, 93, 94, 104, 105, 108, 112 ADH, 115 ADH. June 5–August 20.
Hydroptila albicornis Hagen. Site 87 INHS-1937. June 4–September 8.
Hydroptila amoena Ross. Sites 77 ADH, 79 ADH, 81 ADH, 82 ADH. August 20–October 1.
Hydroptila angusta Ross. Sites 77 ADH, 78 ADH, 82 ADH, 87 INHS-1937, 112 ADH. June 22–September 8.
Hydroptila armata Ross. Sites 4 ADH, 92. May 15–August 31.
Hydroptila callia Denning.* Site 81 ADH. June 7.
Hydroptila consimilis Morton. Sites 1 ADH, 7 ADH, 16, 38 ADH, 60 ADH, 77 ADH, 78 ADH, 79 ADH, 80 ADH, 81 ADH, 82 ADH, 89, 90, 92, 105, 108. May 30–September 9.
Hydroptila grandiosa Ross. Sites 1 ADH, 77 ADH, 78 ADH, 79 ADH, 82 ADH, 90, 92, 112 ADH. May 30–August 26.
Hydroptila hamata Morton. Sites 77 ADH, 78 ADH, 79 ADH, 82 ADH, 87, 92, 105, 107 ADH, 112 ADH. June 25–September 30.
Hydroptila jackmanni Blickle. 79 ADH, 80 ADH, 81 ADH, 82 ADH, 90, 92, 107 ADH. June 7–27.
Hydroptila perdita Morton. Sites 1 ADH, 4 ADH, 7 ADH, 38 ADH, 77 ADH, 78 ADH, 79 ADH, 81 ADH, 82 ADH, 92, 103 ADH, 104, 105, 112 ADH. July 5–September 9.
Hydroptila spatulata Morton. Sites 7 ADH, 16, 87. May 24–September 9.
Hydroptila strepha Ross. Site 92. August 15.
Hydroptila vala Ross. Sites 60 ADH, 92. June 1–15.
Hydroptila virgata Ross. Site 90. May 5–20.
Hydroptila waskesia Ross.* Sites 77 ADH, 78 ADH, 79 ADH, 82 ADH, 112 ADH. June 7–August 21.
Hydroptila waubesiana Betten. Sites 10, 16, 48, 77 ADH, 78 ADH, 79 ADH, 82 ADH, 87 INHS-1937, 89, 90, 92, 93, 94, 95, 105, 112 ADH. May 30–September 12.
Ochrotrichia arva (Ross). Sites 90, 92. May 30–June 7.

Ochrotrichia spinosa (Ross). Sites 23 INHS-1952, 77 ADH, 79 ADH, 81 ADH, 82 ADH, 90, 92, 105. May 30–June 30.
Ochrotrichia tarsalis (Hagen). Sites 2 ADH, 3 ADH, 77 ADH, 78 ADH, 79 ADH, 87, 112 ADH. June 21–September 8.
Ochrotrichia wojcickyi Blickle. Sites 90, 92. June 1–July 21.
Oxyethira forcipata Mosely. Sites 78 ADH, 79 ADH, 82 ADH, 90, 105. June 7–September 14.
Oxyethira michiganensis Mosely.* Site 81 ADH. July 21.
Oxyethira pallida (Banks). Sites 4 ADH, 46, 77 ADH, 78 ADH, 79 ADH, 82 ADH, 87, 88, 89, 93, 105, 112 ADH. June 18–September 10.
Oxyethira zeronia Ross.* Site 38 ADH. July 13.
Stactobiella delira (Ross). Site 12 ADH. May 11–24.
Stactobiella palmata (Ross).* Sites 60 ADH, 61 ADH, 77 ADH, 78 ADH, 79 ADH, 112 ADH. May 30–July 21.
Ithytrichia clavata Morton. Site 87. July 10–August 23.
Orthotrichia aegerfasciella (Chambers). Sites 4 ADH, 46, 77 ADH, 78 ADH, 79 ADH, 82 ADH, 87 INHS-1937, 88, 89, 90, 92, 93, 105. June 22–September 28.
Orthotrichia cristata Morton. Sites 38 ADH, 87, 112 ADH. July 13–September 11.
Mayatrichia ayama Mosely. Site 42. June 18.
Neotrichia falca Ross. Site 79 ADH. September 15.
Neotrichia okapa Ross. Sites 79 ADH, 87, 92. July 1–September 9.
Neotrichia vibrans Ross. Sites 78 ADH, 112 ADH. August 6–September 7.

Phryganeidae

Agrypnia vestita (Walker). Sites 16, 17 INHS-1933, 24, 65 ADH. September 4–October 7.
Banksiola crotchi Banks. Sites 90, 92, 103 ADH. June 7–August 13.
Banksiola dossuaria (Say). Sites 16, 90, 92. June 1–July 31.
Oligostomis pardalis (Walker).* Sites 89 ADH, 97 ADH. June 11–12.
Ptilostomis ocellifera (Walker). Sites 10, 15, 17 INHS-1938, 29 ADH, 34 CMNH-1926, 64 CMNH-1951, 89 ADH, 90, 92. June 6–August 14.
Ptilostomis postica (Walker). Sites 16, 31 CMNH-1951, 65 ADH, 90, 92. June 1–September 14.
Ptilostomis semifasciata (Say). Sites 17 INHS-1938, 38 ADH, 92. May 16–August 21.
Phryganea cinerea Walker.* Site 36 ADH. July 28.
Phryganea sayi Milne. Sites 12, 15, 32 CMNH-1926, 32 CMNH-1975, 85 ADH, 90, 92, 105, 115. July 25–September 14.

Brachycentridae

Micrasema rusticum (Hagen). Site 94. May 1.

Limnephilidae

Ironquia lyrata (Ross). Sites 16, 90, 92. August 21–September 14.
Ironquia parvula (Banks). Site 92. October 5.

Ironquia punctatissima (Walker). Sites 16, 17 INHS-1938, 89, 92, 105, 112 ADH. September 6–19.
Pseudostenophylax uniformis (Betten). Sites 49 ADH, 59 ADH, 80 ADH. May 30–June 15.
Pseudostenophylax sparsus (Banks). Site 25. May 26.
Hydatophylax argus (Harris). Sites 54 ADH, 61 ADH, 90, 92. June 9–August 22.
Pycnopsyche circularis (Provancher). Sites 16, 112 ADH. September 5–15.
Pycnopsyche divergens (Walker). Site 92. May 21–September 21.
Pycnopsyche guttifera (Walker). Site 92. September 7–October 21.
Pycnopsyche indiana (Ross). Site 17 INHS-1931–33. September 15–October 7.
Pycnopsyche lepida Hagen. Sites 16, 78 ADH, 81 ADH, 92, 93, 95, 100. August 31–October 1.
Pycnopsyche luculenta (Betten). Site 92. September 14–October 14.
Pycnopsyche scabripennis Rambur. Sites 16, 43 ADH, 44, 80 ADH, 81 ADH, 90, 92. July 21–October 14.
Limnephilus consocius Walker. Sites 38 ADH, 92, 95, 99 INHS-1961, 103 ADH, 105. May–September 31.
Limnephilus indivisus Walker. Sites 16, 70 INHS-1937, 92, 95. May 14–October 8.
Limnephilus moestus Banks. Sites 16, 24. May–June 18.
Limnephilus ornatus Banks. Site 24. June 11.
Limnephilus rhombicus (Linnaeus).* Site 38 ADH. July 13.
Limnephilus sericeus (Say).* Site 28 CMNH-1967. June.
Limnephilus submonilifer Walker. Sites 17 INHS-1938, 30, 38 ADH, 58 INHS-1939, 65 ADH, 69 INHS-1939, 87, 89, 90, 92. May 25–October 15.
Platycentropus radiatus (Say). Sites 45 ADH, 92, 108. June 2–August 20.
Frenesia missa (Milne). Sites 89, 98, 110. October 28–November 10.
Neophylax ayanus Ross.* Site 7 INHS-1949. September 18.
Neophylax concinnus McLachlan. Sites 81 ROM, 92, 105, 110. September 27–October 16.
Neophylax fuscus Banks. Site 12. October 13.
Neophylax oligius Ross. Site 92. September 24–October 16.
Neophylax wigginsi Sykora and Weaver. Sites 80 ROM, 81 ROM. September 15–October 1.
Goera stylata Ross. Sites 42-L, 80 ADH, 81 ADH, 82 ADH, 90, 92, 107 ADH-L. May 22–June 31.

Lepidostomatidae

Lepidostoma carrolli Flint.* Site 9 ADH. September 11.
Lepidostoma griseum (Banks). Sites 49, 68, 91. August 29–September 19.
Lepidostoma sackeni (Banks). Sites 49 ADH, 68. August 8.
Lepidostoma sommermannae Ross. Sites 63, 91. May 16–September 26.
Lepidostoma togatum (Hagen). Site 16. September 2.
Lepidostoma vernale (Banks). Site 91. May 16–June 22.

Odontoceridae

Psilotreta indecisa (Walker). Site 92. May 21–June 7.

Molannidae

Mollana blenda Sibley. Sites 90, 91, 92. July 7–22.
Molanna tryphena Betten. Site 44. August 1.
Molanna ulmerina Navas. Site 68 ADH. June 24–September 11.
Molanna uniophila Vorhies. Sites 87 INHS-1935–37, 89. June–July 30.

Helicopsychidae

Helicopsyche borealis (Hagen). Sites 4 ADH, 12, 16, 20 INHS-1953, 41 INHS-L-1936, 44, 82 ADH, 87 INHS-1935–37, 90, 92, 93, 105. June 1–September 21.

Leptoceridae

Ceraclea alagma (Ross). Sites 58 INHS-1939, 46, 88, 92, 93. June 21–July 14.
Ceraclea albosticta (Hagen). Site 87 INHS-1937. June 2–27.
Ceraclea ancylus (Vorhies). Sites 13, 77 ADH, 78 ADH, 79 ADH, 82 ADH, 87 INHS-1937, 93, 94, 102 INHS-1941, 112 ADH. June 7–July 8.
Ceraclea cancellata (Betten). Sites 16, 29 ADH, 58 INHS-1939, 69 INHS-1939, 77 ADH, 87 INHS-1937, 102 INHS-1942, 112 ADH, 113 INHS-1938. June 21–August 28.
Ceraclea diluta (Hagen). Sites 87 INHS-1937, 92. May 14–June 30.
Ceraclea erratica (Milne). Site 117.
Ceraclea erulla (Ross). Site 87 INHS-1935–37. June 2–8.
Ceraclea flava (Banks).* Site 109 ADH-L.
Ceraclea maculata (Banks). Site 24, 69 INHS-1939, 78 ADH, 79 ADH, 102 INHS-1942, 112 ADH, 113 INHS-1938. June 11–September 1.
Ceraclea resurgens (Walker). Sites 10, 16, 87 INHS-1937, 92. June 3–15.
Ceraclea submacula (Walker). Site 87 INHS-1935–37. June 4–15.
Ceraclea tarsipunctata (Vorhies). Sites 12, 16, 29 ADH, 35, 36 ADH, 37, 77 ADH, 78 ADH, 79 ADH, 82 ADH, 87, 90, 92, 93, 95, 105, 112 ADH. June 7–September 10.
Ceraclea transversa (Hagen). Sites 16, 23 INHS-1950, 79 ADH, 82 ADH, 87 INHS-1937, 92, 93, 94, 95, 112 ADH. June 7–August 14.
Leptocerus americanus (Banks). Sites 33 INHS-1941, 36, 39 INHS-1961-L, 43 ADH, 46, 47, 48, 58 INHS-1939, 73 INHS-1941, 88, 92, 93, 105. June 7–August 31.
Nectopsyche albida (Walker). Sites 32 ADH, 89, 92, 112 ADH. May 14–July 27.
Nectopsyche candida (Hagen). Sites 17 INHS-1931, 40 INHS-1940, 56 INHS-1939, 77 ADH, 112 ADH, 113 INHS-1939. June 15–August 7.
Nectopsyche diarina (Ross). Sites 94, 95. July 17–21.
Nectopsyche exquisita (Walker). Sites 16, 17 INHS-1941, 87, 105. June 7–August 10.
Nectopsyche pavida (Hagen). Sites 17 INHS-1931, 40 INHS-1941, 87. July 28–29.
Mystacides interjectus (Banks). Site 95. July 24.
Mystacides sepulchralis (Walker). Sites 87 INHS-1935–37, 89 ADH, 93. June 7–September 4.
Triaenodes abus Milne. Sites 58 INHS-1939, 92, 105. June 14–August 8.

Triaenodes dipsius Ross. Sites 17 INHS-1932, 79 ADH, 80 ADH, 82 ADH, 90, 92. May 28–September 7.

Triaenodes flavescens Banks. Sites 87 INHS-1937, 103 ADH, 105. June 7–July 30.

Triaenodes ignitus (Walker). Sites 90, 92, 95. June 7–August 31.

Triaenodes injustus (Hagen). Sites 12, 87, 92. May 21–September 21.

Triaenodes marginatus Sibly. Sites 33 INHS-1941, 90, 92, 95. May 21–September 14.

Triaenodes melacus Ross. Sites 77 ADH, 79 ADH, 82 ADH, 112 ADH. June 7–August 20.

Triaenodes nox Ross. Site 92. June 7–July 31.

Triaenodes pernus Ross. Site 40 INHS-1935. July 2.

Triaenodes phalacris Ross. Site 17 INHS-1931. June 5.

Triaenodes tardus Milne. Sites 5 INHS-1951, 16, 39 INHS-1961-L, 44, 46, 47, 73 INHS-1941, 88, 89, 92, 93, 99 INHS-1961, 103 ADH, 105. May 21–August 31.

Oecetis avara (Banks). Sites 87 INHS-1937, 95. July 4–September 10.

Oecetis cinerascens (Hagen). Sites 7 INHS-1941, 44, 46, 47, 73 INHS-1941, 83 INHS-1939, 87 INHS-1937, 88, 90, 92, 93, 95, 105. June 17–September 11.

Oecetis ditissa Ross. Sites 83 INHS-1939, 90. July 31–September 14.

Oecetis eddlestoni Ross. Sites 12, 87 INHS-1937. June 1–August 26.

Oecetis immobilis (Hagen). Site 87 INHS-1937. June 17–September 10.

Oecetis inconspicua (Walker). Sites 4 ADH, 5 INHS-1951, 12, 16, 33 INHS-1941, 40 INHS-1958, 44, 46, 55 INHS-1936, 65 ADH, 73 INHS-1941, 74 INHS-1953, 77 ADH, 79 ADH, 83 INHS-1939, 86 INHS-1938, 87 INHS-1937, 88, 89, 90, 92, 93, 94, 95, 103 ADH, 112 ADH. May 30–October 4.

Oecetis nocturna Ross. Sites 12, 32 CMNH-1975, 55 INHS-1936, 77 ADH, 78 ADH, 79 ADH, 82 ADH, 112 ADH. May 22–September 14.

Oecetis osteni Milne. Sites 46, 88, 89. July 24–August 15.

Oecetis persimilis (Banks). Sites 77 ADH, 78 ADH, 79 ADH, 82 ADH, 87 INHS-1937, 112 ADH. June 7–September.

Questionable Records

The following species have been reported in the literature as occurring in Ohio. For reasons given below, we feel that these records are questionable.

Polycentropus sp. (*nascotius* Ross?), as reported by McElravy and Foote (1978). Tentative identification based on females.

Cheumatopsyche sp. (*harwoodi harwoodi* Denning?), as reported by McElravy and Foote (1978). Tentative identification based on females.

Hydropsyche hageni Banks. Petersen and Foote (1980) reported this species from site 105 on the basis of a single female. Determinations of the females of the *scalaris* group are unreliable without associated males. We feel that this record must remain tentative until confirmed by collections of males.

Protoptila lega Ross. McElravy et al. (1977) reported this species on the basis of 3 females collected at site 46 (Wilke, 1976). Reliable characters for the separation of females of *P. lega* and *P. maculata* have yet to be discovered (Ross, 1944). This record probably represents the latter species which has been recently reported from the Grand River watershed (Huryn and Foote, 1981).

Oxyethira dualis Morton. McElravy et al. (1977) reported this species on the basis of a single female collected at site 6 (Wilke, 1976). At the time of Wilke's study, females had been described for only a few species of *Oxyethira*. Kelly and Morse (1982) have since presented a key to most of the females of the species known to occur in the southern United States. This work includes those taxa presently reported to occur in Ohio. However, we feel that this record should be considered tentative until the collection of male material.

Ochrotrichia sp. (*confusa* [Morton]?), as reported by McElravy and Foote (1978). Tentative identification based on females.

Ceraclea neffi (Resh), as reported by Huryn and Foote (1981). *Ceraclea flava* (Banks) misidentified as *C. neffi*.

Triaenodes frontalis Banks. McElravy et al. (1977) reported this species as occurring at site 90. *T. frontalis* is known only from western North America and is unlikely to occur in Ohio (O. S. Flint, Jr., personal communication). Specimens upon which this record is based are unavailable for further study. Therefore, we feel that this record must remain tentative until confirmed by collections of additional material.

Acknowledgments

We thank J. Unzicker for arranging access to the collections of the Illinois Natural History Survey, and for providing valuable suggestions concerning the format of this paper. We are equally indebted to G. B. Wiggins, Royal Ontario Museum of Toronto, Canada; K. L. Manuel, Duke Power Co. at Huntsville, N.C., and O. S. Flint, Jr., Smithsonian Institution, Washington, D.C. for aid in the determination of certain difficult and confusing specimens. O. S. Flint, Jr., and J. B. Wallace, University of Georgia, critically reviewed the final manuscript. T. Hasenstaub, H. W. Hintz, R. Hunt, and M. Miller, provided records and specimens included in this study. Partial funding by the Ohio Biological Survey is gratefully acknowledged.

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